



STANDARD CONSTRUCTION OPERATING PROCEDURE

City of New York Department of Design and Construction
Division of Infrastructure Bureau of Construction

SUBJECT: COLD WEATHER CONCRETING

SCOP..... : 98 - 010 G

CATEGORY.. : CONSTRUCTION
Subcategory : CONCRETE

Keywords : COLD WEATHER,
CONCRETE

Supersedes... : N/A

Supplements..... : N/A

Sheet..... : 1 OF 1

Issue Date..... : December 8, 1998

APPROVED:

[Signature]
Assistant Commissioner - John Pusz, P.E.

ROADWORK (CONCRETE BASE, CURBS AND SIDEWALKS):

Concrete for roadwork can be placed when the air temperature (in the shade) is 38° F and on the rise, and the subbase is not frozen.

For air temperatures below 38° F, approval from the Borough Director is required prior to any concrete placement for roadwork on all projects. The Borough Director's approval must be noted in the Resident Engineer's diary.

When the air temperature is expected to fall below 35° F anytime during the concrete's curing period, a sufficient supply of straw, hay or other blanketing material shall be provided at the work site prior to concrete placement. Once the concrete is placed, if the temperature is expected to fall below 32° F the temperature of the concrete must be maintained at a minimum of 50° F for a minimum of 72 hours after placement by use of cold weather protection methods approved by the Resident Engineer.

SEWER / WATER WORK:

For sewer and water concrete work, refer to the DEP General Specification 11-Concrete, Chapter 12, Section 12.5 "Temperature, Wind and Humidity".

ALL CONCRETE WORK:

Whenever cold weather protection measures are required, the concrete temperature shall be monitored by the R.E./Inspector with a surface thermometer three times during the work day, early morning, midday, and at the end of the work day. The temperatures are to be recorded in the Inspector's report.

Concrete damaged by cold weather shall be removed and replaced at the contractor's expense.

Individual contract specifications shall govern if they call for more restrictive requirements.